



# TLA PlugFest

## TLA PlugFest Agenda

22-23 June 2022

### WEDNESDAY, 22 JUNE

#### Day One: Total Learning Architecture Overview and Hands-on Sessions

##### Foundational Context and Hands-on Sessions

0800-0900	<b>Check In</b>
0900-0930	<b>Welcome and What is the TLA?</b> (Foundational Context) <i>Sae Schatz, Ph.D., Director, ADL Initiative</i> <ul style="list-style-type: none"><li>• How has it evolved in the past 5 years?</li><li>• How the TLA will transform the delivery of education and training by the DoD</li><li>• What's next? – projects and opportunities</li></ul>
0930-1000	<b>The Learning Ecosystem Maturity Model – How to use it to track your TLA Journey</b> <i>Brent Smith, R&amp;D Principal, ADL Initiative (SETA)</i> <ul style="list-style-type: none"><li>• Model overview</li><li>• Where is my organization on the model?</li><li>• What does my organization need to do to get to the next phase?</li><li>• How does my organization get to phase 5 - the ideal state?</li></ul>
1000-1015	15-Minute Break
1015-1030	<b>Session Preparation (Getting Ready for Plug and Play)</b> <i>Brent Smith, R&amp;D Principal, ADL Initiative (SETA)</i> <ul style="list-style-type: none"><li>• Get computer ready for Plug and Play</li><li>• Check Internet connection</li><li>• Check software</li><li>• Preview of Day One and Day Two Sessions</li></ul>
1030-1145	<b>Experience Tracking (xAPI)</b> <i>Trey Hayden, Florian Tolk, ADL Initiative (SETA)</i>
	<b>Tutorial (20 minutes):</b> What is xAPI? Overview of version 2.0 and its impact on current and future Distributed Learning (DL) programs, best practices for use of the standard, DoDI guidelines, ADLInitiative tools. <b>Hands-On Session (55 minutes):</b> Track a new facet of learner performance and see it in a dashboard (LRS provided). <ul style="list-style-type: none"><li>• Starting Artifact – Non-SCORM/xAPI Course with some capacity for tracking a learner behavior beyond just a “page turner”</li><li>• Ending Artifact – xAPI Course with basic tracking (use cmi5 Statements but don't call them out specifically) and at least one “xAPI Profile” type behavior.</li><li>• Tutorial will cover:<ul style="list-style-type: none"><li>○ Identifying Key Questions</li><li>○ Identifying Web Events</li><li>○ Designing Statements</li><li>○ Deconflicting IRIs/Profile Server</li><li>○ Identifying Injection Points in Course</li><li>○ Encoding Statements</li><li>○ Connecting to LRS (Good/Bad/Ugly)</li><li>○ Dashboard Demonstration</li></ul></li></ul>
1145-1315	Lunch on Your Own

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1315-1355	<b>Experience Tracking (xAPI) (continued)</b> <i>Trey Hayden, Florian Tolk, ADL Initiative (SETA)</i>
	<b>Plug and Play Time (40 minutes):</b> Plug and play the newly created course with different LRSs and different dashboard capabilities with vendors. LRSs can pre-connect with Dashboard capabilities (their own or not) with the final artifact course.
1355-1400	5-Minute Break
1400-1545	<b>SCORM Migration (cmi5)</b> <i>Andy Johnson, ADL Initiative (SETA)</i>
	<p><b>Tutorial (25 minutes):</b> What is cmi5 and its impact on transitioning from SCORM – the risks and rewards, DoDI guidelines, and ADL Initiative tools?</p> <p><b>Hands-On Session (50 minutes):</b> Convert SCORM content in a dashboard (LRS provided).</p> <ul style="list-style-type: none"> <li>• Starting Artifact –SCORM Course with some video components to it.</li> <li>• Ending Artifact – cmi5 Course with all cmi5 aspects covered as well as video profile integrations</li> <li>• Tutorial will cover: <ul style="list-style-type: none"> <li>○ Application of cmi5 Templates to content</li> <li>○ Deconflicting SCORM Content/Artifacts</li> <li>○ Video Profile Statements Application</li> <li>○ Other Profile Application (Discussing only)</li> <li>○ Use of cmi5 Player</li> <li>○ Statement Customization</li> <li>○ Conformance Testing</li> <li>○ Dashboard Demonstration</li> </ul> </li> </ul> <p><b>Plug and Play Time (30 minutes):</b> Plug and Play the newly created course with different LRSs/LMSs and different dashboard capabilities. LRSs/LMSs can pre-connect with Dashboard capabilities (their own or not) with the final artifact course. Vendors with course authoring tools can demonstrate their cmi5 courses in the cmi5 Player or other LMSs.</p>
1545-1600	15-Minute Break
1600-1715	<b>Learner Records / Learner Profiles</b> <i>Brent Smith, ADL Initiative (SETA)</i>
	<p><b>Tutorial/Discussion (15 minutes):</b> What are they? Best Practices and the progress from the P2997 working group. Discussion about the approaches taken in the P2997 and potentially even specific implementation practices seen in DoD and Industry.</p> <p><b>Hands-On Session (45 minutes):</b> Demonstrate how to generate and utilize learning records and profiles. For example, after a Learner takes a course and provides a minimal number of details about themselves, demonstrate a) insights and b) a detailed profile of their progress. Demonstrate data storage structures and techniques.</p> <p><b>Plug and Play Time (15 minutes):</b> TBD - ELRR Demonstration with integrated data from the Workshop portion.</p>
1730-1830	<b>Informal No-Host Reception at Hilton Alexandria Mark Center</b>

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THURSDAY, 23 JUNE	
Day Two: Hands-on Break Out Sessions	
<i>Hands-on sessions and a discussion to bring it all together. Participants leave with a “Take-Away Toolkit.”</i>	
0800-1000	<b>Competency-Based Learning</b> <i>Trey Hayden, Florian Tolk, ADL Initiative (SETA)</i>
	<p><b>Tutorial (30 minutes):</b> Overview of Competency Frameworks, and Credentials, Use of the Competency and Skills Software (CaSS) to standards-based (IEEE and T3) Competency Frameworks, and how to get the most out of CaSS and other tools.</p> <p><b>Hands-On Session (55 minutes):</b> How CaSS works with competency frameworks, how partial credit for concepts within that course can be achieved and shown in an LMS/LRS.</p> <ul style="list-style-type: none"> <li>Starting Artifact – Competency Framework in Table Format</li> <li>Ending Artifact – Competency Framework as multiple data formats and used in CaSS and T3.</li> <li>Tutorial will cover: <ul style="list-style-type: none"> <li>Application of data standards to tabular competency data</li> <li>Operations in the CaSS Framework</li> <li>Exports from CaSS and Imports into T3 Data Structure</li> <li>Connections to jobs, tasks, etc.</li> <li>Competencies as referenceable</li> <li>URIs</li> </ul> </li> </ul> <p><b>Plug and Play Time (35 minutes):</b> Competency Frameworks that work with CaSS or CaSS data. Integrations with T3 also welcome.</p>
1000-1015	15-Minute Break
1015-1145	<b>Learning Metadata</b> <i>Andy Johnson, ADL Initiative (SETA)</i>
	<p><b>Tutorial (30 minutes):</b> What is Learning Metadata? How to best leverage it, DoDI guidelines, and best practices.</p> <p><b>Hands-On Session (55 minutes):</b> Strategize tagging of multiple content assets to maximize interoperability using the P2881. Show multiple iterations where we add more detail and then search for results within ECC/TLA Experience Index. Experiment with metadata. For example, tag it minimally but get a lot of search results that find it that you would not expect (use of ECC?).</p> <ul style="list-style-type: none"> <li>Starting Artifact –A course decomposed into multiple assets.</li> <li>Ending Artifact – metadata records of multiple assets that align to the P2881 model, possibly implemented as linked data</li> <li>Tutorial will cover: <ul style="list-style-type: none"> <li>Formulation of a tagging strategy that understands lifecycle of assets</li> <li>Roles and responsibilities and user experience (use case creation)</li> <li>Application of “semi” P2881 to assets to create metadata</li> <li>Import and Sample searches in ECC/XI</li> <li>Application of full P2881 to assets to create metadata</li> <li>Import and Sample searches in ECC/XI</li> </ul> </li> </ul>
1145-1315	Lunch
1315-1350	<b>Learning Metadata (continued)</b> <i>Andy Johnson, ADL Initiative (SETA)</i>
	<p><b>Plug and Play Time (35 minutes):</b> Import/Demonstration of P2881 metadata standard and application/creation with products and services.</p>

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1350-1400	10-Minute Break
1400-1500	<b>Bringing it All Together</b> <i>Brent Smith, Andy Johnson, Trey Hayden, Florian Tolk, ADL Initiative (SETA)</i>
	<ul style="list-style-type: none"><li>• Walkthrough of all the data pillars, where each of the groups added to the data strategy, and overall TLA alignment to data standards</li><li>• Demonstrate TLA dashboards with data from all sessions intertwined</li><li>• Walk through the initial (i.e., early maturity) portion of TLA implementation, such as getting your LRS running, implementing Keycloak (etc.) for identity management, and for DoD organization coordinating with the cybersecurity folks for approvals</li><li>• Review xAPI from the two courses that are tagged with P2881 metadata and “searchable” in the TLA (experience index / ECC) and</li><li>• Demonstrate learner progress in these courses through competency gain and learner records</li></ul>
1500-1600	<b>Open Collaborative Discussion to Share Lessons Learned</b> <i>Brent Smith, R&amp;D Principal, ADL Initiative (SETA)</i>